

AMENDMENTS TO THE SPECIFICATION

Please insert the following new paragraph after the Title and prior to the section entitled "Field of the Invention":

A₁ This application claims the benefit of U.S. Provisional Application No. 60/189,182, filed March 14, 2000.

Please replace the paragraph beginning at page 13, line 7 with "As one example of the present invention, . . ." with the following amended paragraph:

A₂ As one example of the present invention, consider generally hemispherically shaped liners whose internal diameters are 28 mm to fit a common size head of a femoral implant. These liners include a chamfer as the rim surface. Each of the outer diameters of the liners get progressively larger with each increasing size, corresponding to the size of the acetabulum. As the size increases, the rim surface angle, or chamfer angle, can widen, or become more obtuse as a general matter. In this particular example, the center axes of the internal diameters of the liners are oriented, or anteverted, at 20 degrees relative to the central axis of the shell, or other surface in which the liner is adapted to be received. In other words, the opening of the liner is at 20 degrees to the opening of the shell. In another example, the center axes of the internal diameters of the liners may be anteverted up to about 45 degrees relative to the central axis of the shell. The center axis of the liner internal diameter may be shifted relative to the center axis of the shell in any direction, in an anteverted liner, the axis is oriented toward the anterior of the body.

Please replace the paragraph beginning at page 14, line 28 with “As shown in Figures 1 and 3 to 7, . . .” with the following amended paragraph:

A3 As shown in Figures 1 and 3 to 7, in this example, the center of rotation of the internal diameter in liner 20 is lateralized, or shifted laterally, by 4 mm. In another embodiment, a variable geometry rim surface is used with a nonlateralized liner, with a liner lateralized by up to 8mm, with a liner lateralized up to 10 mm, or with a liner that is lateralized differently. As used herein and as understood by those of skill in the art, “lateralized” refers to a liner wherein the center of the internal concave surface, or internal diameter, has been shifted laterally, or laterally and somewhat inferiorly, with respect to how the liner is oriented in a patient. In another embodiment, a variable geometry rim surface is used with a liner wherein the center of the internal concave surface, or internal diameter, has been shifted medially by up to 4mm or up to 8 mm.
